

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL & GAS

SEAN PARNELL, GOVERNOR

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Geophysical Data Submission Requirements

Under 11 AAC 96.210(1), the director has the right to inspect and require submission of seismic exploration data obtained under this permit for five years after the permittee provides notification that the initial processing has been completed.

As a condition of the issuance of this Geophysical Exploration Permit, the permittee acknowledges the requirements of 11 AAC 96.210(1) and agrees to notify the director and submit seismic exploration data at the request of the director as follows:

1. The permittee will submit written notice to the director of all seismic exploration data obtained under the permit within 30 days after termination of seismic exploration, and of the availability of processed seismic exploration data within 30 days after completion of initial processing of the data.
2. The permittee will submit processed data acquired under this permit to the division when it becomes available.
3. At a minimum, the permittee shall submit the following processed data; however, the director may request additional data submissions, [as defined in 11AAC 96.250 (6)] as the director determines necessary within the five-year period. The director may also require the resubmission of unreadable or incomplete data.
4. **Digital submission for 3-D seismic data:**
 - A. The final stack and final migrated stack (line, cross-line, and bin center XY's must be in the trace headers).
 - B. Common depth point gathers or partial offset/angle stacks processed for amplitude versus offset analysis (relative amplitude data, pre-stack migration, and normal move-out corrections).
 - C. The bin center locations.
 - D. Final stacking velocities.
 - E. A report describing the acquisition, processing and polarity of the data in at least as much detail as a standard side label. Hardcopy is acceptable if digital is not available.
5. **Hardcopy submission for 3-D seismic data:**
 - A. If not previously submitted with the required operations completion report, a map of the final survey with projection, spheroid, and scale clearly defined.
6. **Digital submission for 2-D seismic data:**

"To responsibly develop Alaska's resources by making them available for maximum use and benefit consistent with the public interest."

- A. The final stack and final migrated stack (shot point number, CDP number, and CDP XY location must be in the trace headers).
- B. Final stacking velocities.
- C. Shot and receiver locations.
- D. A report describing the acquisition, processing and polarity of the data in at least as much detail as a standard side label. Hardcopy is acceptable if digital is not available.

7. Hardcopy submission for 2-D seismic data:

- A. Prefold, blackline paper sections of the final stack and final migrated stack displayed at 2.5 inches per second.
- B. If not previously submitted with the required operations completion report, a post-plot map of the final survey with projection, spheroid, and scale clearly defined.

8. Acceptable data formats are:

- A. Seismic trace data – SEG-Y format, (original data format, i.e. 32 bit floating point).
- B. Seismic location data – SEG-P1 format.
- C. Velocity data - ASCII text files, or SEG-Y format.
- D. MS-DOS or UNIX.
- E. ASCII, TAR or ZIP.

9. Data Projection, Datums, and Documentation:

- A. All Data must be submitted in the original projection and datum that it was captured in to protect the integrity of the source.
- B. All geographic data submitted must include metadata defining the projection and datum (NAD 27 or NAD 83), and should identify the original coordinate system, datum, and units. The metadata should follow the Federal Geographic Data Committee (FGDC) Content Standards for Digital Geospatial Metadata.

10. Acceptable transmittal media for digital data are 8mm data cartridge, 3590 data cartridge, DLT tape, Digital Versatile Disc (DVD), Compact Disc (CD-ROM, CD-R, CD+R, CD-RW, and CD+RW), FTP transmission, or Firewire/ USB PC-hard drives. A 3.5-inch floppy diskette can be used for files smaller than 1.4 Megabytes.

11. Each document, tape, CD-ROM or other transmittal medium must be labeled with the correct MLUP number. Each document and container used to transfer the information should be marked “Confidential”. However, under Alaska Statute AS 38.05.035(a)(9)(C) and 11 AAC 96.220 the department will treat the information as confidential only upon written request by the person supplying the information, and only within the provisions of the law.

12. The state will reimburse the permittee for reasonable reproduction and shipping costs directly incurred as a result of complying with the requirement to submit seismic exploration data. (11 AAC 96.230) Reimbursable costs of reproduction include only the cost of the media on which the data are recorded; for instance, tapes, discs and data cartridges. **The state will not reimburse for indirect costs of preparing the data or the medium, such as time, personnel, equipment or contract services used to comply with the data request.**

Invoice(s) must clearly specify the reimbursable costs associated with each MLUP number and survey.

The division will initiate reimbursement procedures within 30 days after it has received an acceptable copy of all the requested seismic exploration data if it has received an invoice. Data, invoices, and a **signed copy of this Geophysical Data Submission Requirement** should be submitted to attention of:

Heather Heusser
The Division of Oil & Gas
550 West 7th Avenue, Suite 800
Anchorage, AK 99501

☐ Hold data confidential

☐ Release data to public

Acknowledgment: _____

Date_____

Signature of Permittee
(Sign and return before beginning operations)